gaaggatata aattttaccc tgcatttatt ttcttagtga caagggtgat aaactcaaat 4140 acagctttta gaactggtta caatagcgac ggagagttag gttattggga taagttagag 4200 ccactttata caatttttga tggtgtatct aaaacattct ctggtatttg gactcctgta 4260 aagaatgact tcaaagagtt ttatgattta tacctttctg atgtagagaa atataatggt 4320 tcggggaaat tgtttcccaa aacacctata cctgaaaatg ctttttctct ttctattatt 4380 ccatggactt catttactgg gtttaactta aatatcaata ataatagtaa ttaccttcta 4440 cccattatta cagcaggaaa attcattaat aaaggtaatt caatatattt accgctatct 4500 ttacaggtac atcattctgt ttgtgatggt tatcatgcag gattgtttat gaactctatt 4560 caggaattgt cagataggcc taatgactgg cttttataat atgagataat gccgactgta 4620 ctttttacag tcggttttct aatgtcacta acctgccccg ttagttgaag aaggttttta 4680 tattacaget gtcgactcgt gatcttcgga caggetgttc agetttttct caatgcgatc 4740 cagetgeget ttteggtttt tegeataett gaageetgta acageegeaa agaegaeage 4800 ctcatgtttg cgggagagat tcattctctt ccgtttttta tttaaagcgg cttttccaga 4920 cgggaacggt gttttgtggt ctccattttc atttgccgat aggcgaacgc taaaaatggc 4980 aggecgagea gggtaatgee geteaggaea gaaaaaatat aaateggeeg geeagegeea 5040 aacaggtcta tacatatccc cccgacccaa gggccgatga cgtttccgag ctgtggaaaa 5100 ccgattgccc cgaaataagt gccttttaat cctggttttg caatctggtc tacatacaaa 5160 tccatcatag agaataaaag cacttcgccg attgtaaatg tgatgacaat catcacaatt 5220 gatggaacac cgtgtgatac ggtgaaaatg gccatgctga tgctaaccat cacattaccg 5280 agcatcagag aacaaagcgg cgaaaaccgt tttgcaaaat ggacaatggg aaattgcgtc 5340 gccaacacaa cgattgcgtt taatgtcagc atcagcccat acagcttcgt tccattgccg 5400 atcaaggggt totgcgccat atactgaggg aatgtggaac tgaattgtga gtagccgaag 5460 gtgcatagcg taatgccgac caaagcaatg gtaaaaagat aatccttttg cgtgaccata 5520 aacgcttccc gcacgctcat atttcgggac tgggctggtg ctgataagga tggatgtttt 5580 ttaaattgga gggcaagcac aattccgtat agtccgtaaa tgactgcagg caccaaaaag 5640 ggcgtagtcg attgcgatga gccgaaatat aggccaagca caggtccgaa gacaacgccg 5700 atattaatag ccgcatagcg taaattaaaa actagcagtc tcgttttttc ttctgtcata 5760 tcagacaaca aggcctttga agcgggctca aacagtgatt tgcaaagacc gtttaatgcg 5820 tttactacaa aaaacaccca gagattagat gctgccgcaa agcctgcaaa taccagcatc 5880 catccgaaaa tcgatacaag catcatgttt tttctgccga atttatctga gatatatccg 5940 ccgtaaaagc ttgcgaggat gccgactgat gagctcgcgg cgatgaccag ccctgcatag 6000 gaagetgatg egeettggae ggetgteaaa taaategeta aaaaaggaat geteategat 6060 qttqccattc tqccqaaaat qqttccqatt ataattqtac qcqttqqatq cataqcttga 6120 gtattetata gtgteaceta aatagettgg egtaateatg gteatagetg ttteetgtgt 6180 gaaattgtta teegeteaca atteeacaca acataegage eggaageata aagtgtaaag 6240 cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt 6300 tccagtcqqq aaacctgtcq tqccaqctqc attaatqaat cqqccaacqc qcqqqqaqaq 6360 geggtttgeg tattgggege tetteegett eetegeteae tgaetegetg egeteggteg 6420 ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat 6480 caggggataa cgcaggaaag aacatgtgag caaaaaggcca gcaaaaggcc aggaaccgta 6540 aaaaggccgc gttgctggcg tttttcgata ggctccgccc ccctgacgag catcacaaaa 6600 atequequete aaqteagagg tggegaaace egacaggact ataaagatae caggegttte 6660 cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt 6720 cogcotttet coettoggga agogtggege ttteteatag etcaegetgt aggtatetea 6780 gtteggtgta ggtegttege tecaagetgg getgtgtgea egaaceeece gtteageeeg 6840 accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat 6900 cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta 6960 cagagttett gaagtggtgg cetaactaeg getacactag aaggacagta titiggtatet 7020 gegetetget gaageeagtt acetteggaa aaagagttgg tagetettga teeggeaaac 7080 aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa 7140 aaggatetea agaagateet ttgatetttt etaeggggte tgaegeteag tggaaegaaa 7200 actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt 7260 taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca 7320 gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca 7380 tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc 7440 ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa 7500 accagocago oggaagggoo gagogoagaa gtggtootgo aactttatoo gootocatoo 7560 agtetattaa ttgttgeegg gaagetagag taagtagtte geeagttaat agtttgegea 7620 acgttgttgg cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat 7680 teageteegg tteecaaega teaaggegag ttacatgate eeccatgttg tgeaaaaaaag 7740

eggttagete etteggteet eegategttg teagaagtaa gttggeegea gtgttateae 7800 teatggttat ggeageactg cataattete ttactgteat gceateegta agatgetttt 7860 ctgtgactgg tgagtactca accaagtcat tctgagaata ccgcgcccgg cgaccgagtt 7920 gctcttgccc ggcgtcaata cgggataata gtgtatgaca tagcagaact ttaaaagtgc 7980 tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg ctgttgagat 8040 ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca 8100 gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga 8160 cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg 8220 gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg 8280 ttccgcgcac atttccccga aaagtgccac ctgtatgcgg tgtgaaatac cgcacagatg 8340 cgtaaggaga aaataccgca tcaggcgaaa ttgtaaacgt taatattttg ttaaaattcg 8400 cgttaaatat ttgttaaatc agctcatttt ttaaccaata ggccgaaatc ggcaaaatcc 8460 cttataaatc aaaagaatag accgagatag ggttgagtgt tgttccagtt tggaacaaga 8520 gtccactatt aaagaacgtg gactccaacg tcaaagggcg aaaaaccgtc tatcagggcg 8580 atggcccact acgtgaacca tcacccaaat caagtttttt gcggtcgagg tgccgtaaag 8640 ctctaaatcg gaaccctaaa gggagccccc gatttagagc ttgacgggga aagccggcga 8700 acgtggcgag aaaggaaggg aagaaagcga aaggagcggg cgctagggcg ctggcaagtg 8760 8803 tageggteac getgegegta accaccacac cegeegeget taa

<210> 73 <211> 8320

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Recombinant pAN296 plasmid

<400> 73

tgcgccgcta cagggcgct ccattcgcca ttcaggctgc gcaactgttg ggaagggcga 60 tcggtgcggg cctcttcgct attacgccag ctggcgaaag ggggatgtgc tgcaaggcga 120 ttaagttggg taacgccagg gttttcccag tcacgacgtt gtaaaacgac ggccagtgaa 180 ttgtaatacg actcactata gggcgaattg ggcccgacgt cgcatgctgg atgaaaagcc 240 gatgaccgct tttcaggtct gtcagcagct ttttcctgct gtatatgaaa aggaattgtt 300 tttaacgatg tcagaaacgg caggtcacct tgatgtgttg gaggctgaag aagccatcac 360 gtcatattgg gaaggaaata ccgtatactt taaaacaatg aagagtgaa atgggtgaaa 420